## This Page Is Inserted by IFW Operations and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

POSITION	INITIALS	ID NO.	DATE			
FEE DETERMINATION	<u> </u>					
O.I.P.E. CLASSIFIER						
FORMALITY REVIEW	N	19n	10723/6			
RESPONSE FORMALITY REVIEW						
			_			

## INDEX OF CLAIMS

Rejected	N Non-elected
= Allowed	IInterference
(Through numeral) Canceled	A Appeal
÷ Restricted	O Objected

C	lai	m	_				D	ate	,			_		Γ	Cla	im			_			Date	8						Cla			_			Da	te	_		•	_	
Γ	7	Original	9 14	15			Ī	Ī						Ī	_	ਫ	4	8	-										Final	Original	4493	2015				-				T	
Ü	Ē	ĕ	03	03		ļ	-	Ì				ļ	1 1	- 1	Finat	5	14 0 3	0	3			1							证	ō	05	65	_			L	1_	1	1	1	_
	1	a	Ť	Ť	Т	T	T	$\top$	$\neg$	.			П	- [		51	v					$\Box$							L	101	$\nu$	1				_	L		l	1	┙
₹	1	T		$\vdash$	Т	1	T	1	$\dashv$			_	П	- [		52	A	И	1	$\neg$										102	1	A			L	L	L	L	1	1	
-	1	B	-	1		1	t	+	7			┢	$\Box$	Ī		53	T	П	1	1										63	M	П					1		L	-	·
-	-	4	-	1	H	╁╌	+	+	1	-	-	<del>                                     </del>	H	ŀ	-	54	T	Н	IT	7		_		$\neg$						104		$\prod$		1,1			Ŀ		$oldsymbol{\mathbb{I}}$	1	
_	1	1	┢	t	_	1	t	+	_			1	П			65	Π.		IT											105		П		,			ŀ	ı	-	_	
_		þ	Ι.	† <del>.</del>	T	T	†	1	寸			Г	П			56	V		уГ	T										106		$\perp$			L	Ŀ	L	L	1	┙	
-	7	₩		┪	T	1	1	+	_					ľ		57	1		,	٦										107			•	1	٠					1	
	7	t		╁╌	$\vdash$	†	t	+	$\neg$		-		П	ı	(			T	1	٦								¥.		108			- 1			L	L	$\perp$	$\perp$	$\perp$	╛
_	┪	A	Н		╁	1	Ť	7	†			1	П			15	Г	T	1									١.		109			<i>.</i>				Ŀ				
-	+	1	1	1-	1	+	t	7	7		_	1	П	it		Ф	1	F	1	┪					$\Box$	•		\		110	V.	A					L	$\perp$	7 .	$\perp$	
_	1	掛	1	1	t	+	t	十	_	_		<del>                                     </del>	Н	l	_		Т	†	†	T					$\overline{}$			4	*	111	V	6					L	I			
_	٦	<b>(E)</b>		╁╌	14	╅	t	+	_	_	-	十				4		1.	1	T		Т						•		112					Г	Τ.		I	ľ		
-	-1	ĸ	┪	╁	✝	+	+	+	_	_	$\vdash$	╁	П			8		Ť	Ť							П			Г	113				Г	Γ		I	L	$\perp$		
_	-43	ш	H	╁	╁	╁	t	+	一		┢	╁╌	$\vdash$				-	T	†	7		_								114						Г	T	,	${\mathbb T}$		٠,
_	ᅥ	1	H	╁╌	╁	+	+	+	-	_	┢	1	$\vdash$		_	45	r	t	†											115					Г		Τ	$\mathbf{T}$	$\top$	Τ	
-	-		1	+	+	+-	+	+		_	$\vdash$	1-	$\vdash$			6		†	+	$\dashv$		Г	1	$\vdash$				1		116				Γ		T	T	T	T	T	
-	$\dashv$	惟	-	+-	╁	+	$^{\dagger}$	+			$\vdash$	t			_	di	1	†	1	1	_	T	$\vdash$	1	Ι_			1		117	1			Π		Τ	Τ	J	Τ	Ţ	
-	÷		1	+-	╁	十	+	+	_	_	$t^-$	╁	+		-	0		+	1									1		118	3				T	1	T	T	T	Т	
_	7	#	┢	╁	╁	╁	+	+	-		t	†-	╁╌	1	_	6		+	1			T		-				1		119	× -				Τ	Т	T		T	T	
-	-	Ж	┞	╁	╀	╫	+	-			╁	╫	$\vdash$	1 !	_	7	+	+	+		_	t	<del> </del>	-	t	_		1	$\vdash$	120	+-		Т	T	T	$\top$	十	7	T	7	$\neg$
_	_	18	1	╀	╁	╀	4		_	_	<b>├</b>	╄	╄-	. 1		HA.	4	╁	+	_	_	├-	-	⊢	-	$\vdash$	-	1	$\vdash$	12	+	$\vdash$	$\vdash$	╁╌	+	+	+	+	+	7	-
-	47	Ţ	₩_	4	╀	1	+		_		╀	╀	╁	1	-		+	+	-		⊢	<del>-</del>	$\vdash$	┢	╁	1	╁	┨	-	12	-	╁╌	H	╁╌	╁	+-	+	十	:†	7	
=	<u>:</u>	1	1	+	╀	+:	+		_	<u> </u>	-	+	1-	1	├-	14	+	╀	+	_	⊢	╀╌	╫╌	╁╌	╁	+	├-	1	-	12		$\vdash$	-	+-	╈	╈	+	+		$\dashv$	-
Ļ		A	1	+-	4	+	4			⊢	┼-	+	$\vdash$		H	13	-	+	$\dashv$		-	╀	┼	$\vdash$	┼	╁	├	1	$\vdash$	12	-	┼-	+-	+-	╈	+	+	十	-	$\dashv$	
<u>.</u>	_		<u> </u>	+-	+	+	4	-			╁	╀	+-	-	_	7	1	+	$\dashv$		-	+	╁	╀	╁╌	+-	╁	ł	$\vdash$	12	+-	┢	├-	$\vdash$	╁	+	+	#		$\dashv$	
L	,		1	4	4	+	4	-			╄-	╀	┼	-	L	1	П	+	4		⊢	╀╌	┼-	╁	╁	1-	-	ł	$\vdash$	12	_	⊢	+	╁╴	┿	+	+	` -			*
L		Œ	4_	╄-	4	+	4	_		H	╀	╀	+	-	⊢	Д	<b>\</b> -	+	$\dashv$		⊢	╁	╁	╁	+-	+-	⊢	┨	$\vdash$	12	_	+-	╁╌	╁	+-	+	+	+	7	$\dashv$	_
L		ľ	1	1	+	4	4	_		<u> </u>	╀-	+	╀	-	┝	7	₩-	+	-	_	┝	╀	+-	╁	╄	╁	╁	1	$\vdash$	12	_	╁	╁	+	+	+	1	- †	10		-
L	٠.		1	4	1	1	4	_	_	┡	₩	+	-	4	⊢	14	₽	+	4	_	┝	┼-	╁	╀	╁	+	┼-	-	-	12	-	-	╁	╁╌	╁	+-	+	+	+		F
L	_		1	4	╀	4-	4	_	_	<u> </u>	↓_	╄	+	-	<u> </u>	7	<b>N</b> -	+	4	_	┝	╀	╁	╀	╁╾	╁	╁	1	$\vdash$	13		╁╴	╁	+	+	╅	╁	+	$\dashv$	$\dashv$	Н
ļ	ند	I	1	4_	-	4	4	_	L_	<b> </b>	╀	4	4	-	<u> </u>	8		+	_	_	┞	╀	╀	┼-	╀	┼	╀	┨	┢	-	-	╁┈	╀	+	+	+	+	+	4	÷	H
Ĺ	.,		4	1	+	4	4	_		L	╁.	+	+	4	$\vdash$	9	-	+	_		╀	╀	+-	╁	+	+-	+	1	$\vdash$	13	_	╁	+	+	+	+	+	+	+	-	$\vdash$
L		13	1	4	+	$\downarrow$	4	_	_	├-	$\vdash$	+	+	4	$\vdash$	8	+	+	_	-	1	+-	+	╀	+	+	+	-	$\vdash$	$\overline{}$	$\rightarrow$	╁	╁	╁	+	+	+	+	$\dashv$	-	$\vdash$
L	:	13	3	1	1	4	4		L	$\vdash$	$\perp$	4-	+	4	<u></u>	뵎	$\Vdash$	4	_	<u> </u>	+-	+	+	╀	╄	+-	+	-	-	13		╁	╁	+	+	+	+	+	-+		$\vdash$
L	7.	3	4	$\bot$	$\perp$	$\downarrow$	4		_	-	+	+		4	$\vdash$	m to the	Ψ	+	_	<u> </u>	$\vdash$	╁	+	+	+	+	╀	┨	-	13	_	╁	+	+	+	+	+	+	$\dashv$		$\vdash$
L		13	1	1	1	4	4		$\vdash$	1	+	4	+	4	-	13		4		-	+	╀	+-	+-	╀	+-	╀	+	$\vdash$	13		+	+	+	+	+	+	$\dashv$	$\dashv$	_	$\vdash$
L	_	3	$\perp$	$\perp$	$\perp$	4	4		L	L	$\bot$	$\perp$	4	4	L		1	Ļ		<u> </u>	$\vdash$	+-	+	1	+	+	+-	-	-	13	_	+	╁	+	+	+	+	+	-	_	$\vdash$
L		3	Ϊ.	4	1	$\perp$	4		<u> </u>	1	4	+		4	$\vdash$	8	4	4		-	+	+	+	+	+	+	╀	4	$\vdash$	-	-	+	+	┿	+	+	+	$\dashv$	-	-	H
L		Ľ	Щ	1	4	4	_		<u> </u>	1	$\perp$	4-	$\perp$	4	-	٢	#	4	_	⊢	+	+	+	+	+	+-	╁	+	-	13	_	+	+	+-	+	+	+	$\dashv$	-	_	$\vdash$
L		Q	1	1	1	_	4		<u> </u>	1	$\perp$	4	4	4	<u>_</u>	8		4		⊢	+	+	+	+-	+	╀	+	4	-	13	_	╁	+	╁	+	+	+	$\dashv$			H
L		3		$\perp$	$\perp$	↓	╛		<u></u>	L	$\perp$	$\perp$	4_	1	L	0, 00	2	4		L	4	$\perp$	1	4	$\bot$	+	$\perp$	-	$\vdash$	114	<del></del> _	+	+	+	+	4	+	-	4	$\vdash$	┼
	_	14		╝					L		L	$\perp$			L	9	$\perp$	$\perp$		L	<u> </u>	1	1	1	L	1	$\downarrow$	1	<u> </u>	14		$\bot$	$\perp$	+	4	+	4		_	-	+
r	_	4 4 4 4 4 5		Ī	$\int$	Τ	J				Γ				L	9	V.	$\perp$	_			1	$\perp$	$\perp$	$\perp$	$\perp$	↓_	4	<u> </u>	14		4	+	4	4	4	4	$\dashv$	4	$\vdash$	+
ľ	_	4			Ι	Ι				Ĺ		$\int$			L	6	3/		V	_	1	1	1	1	$\perp$	1	$\bot$	4	L	14		$\perp$	4	+	$\downarrow$	-	4	4		H	$\vdash$
Ī		14	9	T	Т	T	1				I				L	9	4	Λ	1	_		_		$\perp$	$\perp$	$\perp$	$\perp$	4	L	14		$\perp$	1	4	4	4	$\dashv$		_	<u> </u>	$\perp$
t		14	I	7	1	1				Ι	Ι	J	floor	]		9	5	$\prod$	I		L	L		1	1	$\perp$	$\perp$	_	L	14		4	1	┸	4	4	_	4	_	<u> </u>	4
t		14	A	7						Γ		floor				9		$\coprod$	I		L			L	Ţ	$\perp$	1	1	L	14		$\perp$	1	4	4	4	4	$\dashv$		-	4
t		4		$\top$	7	1			1	Τ	Τ	T	T	7		9	7	П	I		Ī	I		Ĺ	$\perp$		L		L	14		$\perp$	1	$\perp$	$\perp$		$\perp$			L	$\perp$
ŀ		14	1	$\top$	$^{\dagger}$	1	7		T	T	T	1	1	7	Г	9		Ħ	Ī		Γ	Ι	$\perp$	I	Ι						8	Ĺ			$\perp$	_[	ightharpoons	┙		L	L
1		14	A	丁	丁	†	7		Т	1	丁	$\top$	T	7		9	9	V	V		Ι	T	T	Τ	Ι	$oldsymbol{ol}}}}}}}}}}}}}} $	I	]		14	19							_		L	$\downarrow$
t	_	뉻	W.	1/i	1	十	╛	H	1	$\top$	7	┪	1	٦		10	00	7	7	Г	Τ	Τ	Т	T	Т	T	Т		Г	15	50				$\Box$					辶	丄

3/20/23/0

If more than 150 claims or 10 actions staple additional sheet here